

ABSTRACT

The present invention relates to niobium powder for a capacitor, comprising a niobium layer and a mixed layer of
5 silicon nitride and niobium, the mixed layer being present in the vicinity of the powder particle surface; granulated niobium powder thereof; a niobium sintered body using the niobium powder and the granulated powder; and a capacitor using the sintered body as one electrode. The niobium
10 powder for a capacitor of the present invention enables to produce a niobium capacitor having a high capacitance, a low leakage current, a low ESR and good $\tan \delta$ characteristics and being excellent particularly in the properties of the breakdown voltage and soldering heat
15 resistance.